IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): An elevator controller comprising:

a main control unit for controlling running of an elevator,

wherein the main control unit calculates a plurality of first elevator travel parameters for an operation of the elevator, calculates a future predicted temperature state of a predetermined component of the elevator, compares the predicted temperature state to a range of permitted temperature states, performs operational control of the elevator using the first elevator travel parameters if the predicted temperature state is within the range, and changes at least one of the plurality of first elevator travel parameters if the predicted temperature state is outside of the range to obtain second travel parameters that will maintain a temperature of the component within the range and performs operation control of the elevator using the second elevator travel parameters.

Claim 2 (Previously Presented): The elevator controller according to claim 1, further comprising:

a thermal sensing device that detects a temperature of the component; and

change amount input means for inputting a predetermined change amount concerning the component,

wherein the main control unit calculates a predicted value of a temperature state of the component using the temperature detected by the thermal sensing device and the change amount inputted by the change amount input means.

Claim 3 (Previously Presented): The elevator controller according to claim 2, wherein the predetermined change amount is a drive input amount for driving the component.

Claim 4 (Previously Presented): The elevator controller according to claim 3, wherein the component comprises a power drive unit that drives a motor for causing a hoisting machine to rotate in response to a command from the main control unit, and the drive input amount comprises a current value of the power drive unit.

Claim 5 (Previously Presented): The elevator controller according to claim 2, wherein the predetermined change amount comprises a temperature rise amount of the component.

Claims 6-9 (Canceled).

Claim 10 (Previously Presented): The elevator controller according to claim 2, wherein the change amount of the component comprises a time average.

Claim 11 (Previously Presented): The elevator controller according to claim 1, wherein the main control unit calculates the future predicted temperature state of the component based on changes with time in one of statistics, namely, a number of starts of the elevator per unit time and a number of passengers on the elevator per unit time, and performs the operation control of the elevator based on the temperature state such that the component does not become overloaded.

Claims 12-13 (Canceled).

Claim 14 (Previously Presented): The elevator controller according to claim 1, wherein:

the control unit reduces at least one of a plurality of elevator travel parameters if the predicted temperature state exceeds a maximum of the range and increases at least one of the elevator travel parameters if the predicted temperature state is below a minimum of the range.

Claim 15 (Previously Presented): The elevator controller according to claim 14, wherein the elevator travel parameters comprise plural of acceleration, deceleration, jerk, and maximum speed.

Claim 16 (Previously Presented): The elevator controller according to claim 1, wherein:

the control unit determines a plurality of sets of elevator travel parameters based upon comparing the predicted temperature state to the range, selects one of the sets based upon a comparison of one of the elevator travel parameters in the sets, and controls operation of the elevator based upon the one set of elevator travel parameters.

Claim 17 (Previously Presented): The elevator controller according to claim 16, wherein the elevator travel parameters comprise plural of acceleration, deceleration, jerk, and maximum speed.

Claim 18 (Previously Presented) A method of operating an elevator operating system, comprising:

using a temperature sensor to sense a temperature of a component of a drive system of the elevator;

calculating a first elevator travel parameters using the temperature;

calculating a future predicted temperature state of the component of the drive system;

comparing the predicted temperature state to a range of permitted temperature states;

using the first elevator travel parameters if the predicted temperature state is within the range;

changing at least one of a plurality of elevator travel parameters if the predicted temperature state is outside of the range to obtain second elevator travel parameters that will maintain a temperature of the component within the range, and

using the second elevator travel parameters if the predicted temperature state is outside of the range.

Claim 19 (Previously Presented): The method according to claim 18, comprising:

reducing at least one of a plurality of elevator travel parameters if the predicted temperature state exceeds a maximum of the range; and

increasing at least one of the elevator travel parameters if the predicted temperature state is below a minimum of the range.

Claim 20 (Currently Amended): The method according to claim [[1]] 18, comprising:

determining a plurality of sets of elevator travel parameters based upon comparing the predicted temperature to the range;

selecting one of the sets based upon a comparison of one of the elevator travel parameters in the sets; and

controlling operation of the elevator based upon the one set of elevator travel parameters.